UNITED STATES PATENT AND TRADEMARK OFFICE

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BELOUSOV, ANDREY

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/789,140	OLANDER ET AL.
	Examiner	Art Unit	
	ANDREY BELOUSOV	2174	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>09 May 2008</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-70</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-70</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>8/11/2008, 5/22/2008, 5/09/2008</u>.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

This action is in responsive to the filing of May 9, 2008. Claims 1-70 are pending and

have been considered below.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

> (b) the invention was patented or described in a printed publication in this or a foreign country or in public
> use or on sale in this country, more than one year prior to the date of application for patent in the United
> States.

2.   Claims 1-70 are rejected under 35 U.S.C. 102(b) as being anticipated by <u>Hunter</u>

(Java™ Servlet Programming by Jason Hunter, Copyright (c) 2001, 1998 O'Reilly &

Associates, Inc.)

Claim 1: <u>Hunter</u> discloses a method for building a representation of a graphical user

interface (GUI), comprising:

   a. generating a class (e.g. HolisticCounter), the class being an object oriented

       programming language class (pg. 40-41);

   b. generating a first representation of the GUI (class instance, pg. 41), wherein the

       class can produce a second representation GUI (e.g. another class instance, pg.

       41) based on the first representation (counter value is modified by number of

       instances, pg. 41);

c. generating a second representation of the GUI (second instance of

HolisticCounter class) from the class, wherein the second representation

includes at least one control (e.g. count, classCount, instrances, etc., pg. 41);

and

d. wherein the first representation includes hierarchical relationships (public /

private scope, visibility, local / nonlocal, pg. 38) among controls, control

properties (e.g. static, int, public, class, etc., pg. 41), and control event

information (exceptions thrown, responses, pg. 41.)

Claim 2: Hunter discloses the method of claim 1, further comprising: creating the first

representation by parsing a file (compiling, pg. 7).

Claim 4: Hunter discloses the method of claim 1 wherein: the second representation is

a tree (pg.494.)

Claim 5: Hunter discloses the method of claim 1 wherein: the step of generating the

class occurs as a result of receiving a request (pg. 15.)

Claim 8: Hunter discloses the method of claim 1 wherein: the second representation

can be driven through at least one lifecycle stage by an interchangeable lifecycle

component (pg. 35, 36.)

Claim 17, 58: <u>Hunter</u> discloses a method and machine readable medium having

instructions thereon for building a representation of a graphical user interface (GUI),

comprising:

    a. generating a representation of the GUI (Fig. 3-2, pg. 42) from metadata (instance

       of a class, pg. 41), wherein the representation includes at least one control (e.g.

       count, classCount, instrances, etc., pg. 41);

    b. driving the representation through at least one lifecycle stage by an

       interchangeable lifecycle component (pg. 35, 36);

    c. wherein the metadata can include at least one of: hierarchical relationships

       among controls, control properties, and control event information (e.g. static, int,

       etc., pg. 41); and

    d. wherein the representation can be driven through the at least one lifecycle stage

       (e.g. init, destroy, etc.) by the interchangeable lifecycle component (servlet

       thread, pg. 35-36);

    e. wherein an interface (pg. 266, JDBC SQL-level API, a set of interfaces and

       classes designed to perform actions against any database) is provided to isolate

       details of the interchangeable lifecycle component (servlet thread performing any

       one of: database connection, management, calls, etc., pg. 261-267) from a

       control container (servlet container, pg. 35) to allow different lifecycle

       implementations (pg. 266, Fig. 9-2: Oracle, ODBC, Sybase) to be

       interchangeable (pg. 261, "JDBC is database independent");

    f. wherein the interchangeable lifecycle component runs on at least one processor

        (pg. 35, 36, it is inherent that 'execution on a server' is performed on processor);

Claim 30: <u>Hunter</u> discloses a system for building a representation of a graphical user

interface (GUI), comprising:

    a. a first component operable (JVM, pg. 35-36) to produce a second component

        (servlet object instance, pg. 35-36) and a metadata representation of the GUI

        (instance of a class, pg. 41);

    b. the second component operable to produce a hierarchical representation of the

        GUI based on the metadata (pg. 42), wherein the representation includes at least

        one control (e.g. count, classCount, instrances, etc., pg. 41);

    c. wherein the metadata can include at least one of: hierarchical relationships

        among controls, control properties, and control event information (e.g. static, int,

        etc., pg. 41); and

    d. wherein the representation can be driven through at least one lifecycle stage by

        an interchangeable lifecycle component (servlet thread, pg. 35-36);

    e. wherein an interface (pg. 266, JDBC SQL-level API, a set of interfaces and

        classes designed to perform actions against any database) is provided to isolate

        details of the interchangeable lifecycle component (servlet thread performing any

        one of: database connection, management, calls, etc., pg. 261-267) from a

        control container (servlet container, pg. 35) to allow different lifecycle

implementations (pg. 266, Fig. 9-2: Oracle, ODBC, Sybase) to be

interchangeable (pg. 261, "JDBC is database independent");

    f. wherein the interchangeable lifecycle component runs on at least one processor

(pg. 35, 36, it is inherent that 'execution on a server' is performed on processor.)

Claim 44: <u>Hunter</u> discloses a system comprising:

    a. a means (pg. 35-36 JVM) for generating a first representation (e.g. servlet object

instance, pg. 35-36) of a graphical user interface (GUI);

    b. a means for generating a second representation of the GUI from the first

representation (class instance, pg. 41), wherein the second representation

includes at least one control (e.g. count, classCount, instrances, etc., pg. 41);

    c. wherein metadata (pg. 40, HolisticCounter class) can include at least one of:

hierarchical relationships among controls, control properties, and control event

information (e.g. static, int, etc., pg. 41); and

    d. wherein the second representation can be driven through at least one lifecycle

stage by an interchangeable lifecycle component (servlet thread, pg. 35-36);

    e. wherein an interface (pg. 266, JDBC SQL-level API, a set of interfaces and

classes designed to perform actions against any database) is provided to isolate

details of the interchangeable lifecycle component (servlet thread performing any

one of: database connection, management, calls, etc., pg. 261-267) from a

control container (servlet container, pg. 35) to allow different lifecycle

implementations (pg. 266, Fig. 9-2: Oracle, ODBC, Sybase) to be

interchangeable (pg. 261, "JDBC is database independent");

 f. wherein the interchangeable lifecycle component runs on at least one processor

  (pg. 35, 36, it is inherent that 'execution on a server' is performed on processor.)

Claim 18, 31, 45, 59: <u>Hunter</u> discloses the method, system, and a machine readable

medium having instructions thereon, of claim 17, 30, 44, and 58, respectively, further

comprising: creating the metadata by parsing a file (compiling, pg. 7.)

Claim 19, 33, 60: <u>Hunter</u> discloses the method, system, and a machine readable

medium having instructions thereon, of claim 17, 30, and 58, respectively, wherein: the

step of generating the metadata representation occurs as a result of receiving a request

(pg. 15.)

Claim 9, 22, 36, 50, 63: <u>Hunter</u> discloses the method, system, and a machine readable

medium having instructions thereon, of claim 1, 17, 30, 44, and 58, respectively,

wherein: the at least one control has an interchangeable persistence mechanism (pg.

37, 216, 384, 582.)

Claim 10, 23, 37, 51, 64: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58,

respectively, wherein: the at least one control can render itself according to a theme

(Tea Templates, pg. 433.)

Claim 11, 24, 38, 52, 65: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58,

respectively, wherein: one of the at least one controls can interact with another of the at

least one controls (pg. 35.)

Claim 12, 25, 39, 53, 66: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58,

respectively, wherein: one of the at least one controls can advance through the at least

one lifecycle stage in parallel with another of the at least one controls (pg. 35.)

Claim 13, 26, 40, 54, 67: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 8, 17, 30, 44, and 58,

respectively, wherein:

  a. the at least one lifecycle stage is one of: init, load state, create child controls,

     load, raise events, pre-render, render, save state, unload and dispose (pg. 35,

     43); and

  b. wherein the lifecycle stage is part of a dynamically configurable lifecycle (pg. 35.)

Claim 15, 28, 42, 56, 69: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58,

respectively, wherein: the at least one control can raise events and respond to events

(pg. 580-583.)

Claim 16, 29, 43, 57, 70: <u>Hunter</u> discloses the method, system, and a machine

readable medium having instructions thereon, of claim 1, 17, 30, 44, and 58,

respectively, wherein: the at least one control can be one of: Book, Page, Window,

Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body,

Footer, Header, Head, Titlebar, ToggleButton, Treeview, TreeViewWithRadioButtons

(pg. 347-353.)

Claim 47: <u>Hunter</u> discloses the system of claim 44, further comprising: the means for

accepting a request (pg. 15.)

Claim 3, 32, 46: <u>Hunter</u> discloses a method, and a system of claims 2, 31 and 45,

respectively, wherein the file is a JavaServer Pages (JSP) file (514-515.)

Claim 6, 20, 34, 48, 61: <u>Hunter</u> discloses a method, system and a machine readable

medium having instructions thereon, of claims 5, 19, 33, 47 and 60, respectively,

wherein the request is a hypertext transfer protocol request (HTTP); and the request

originates from a web browser (pg. 15.)

Claim 7, 21, 35, 49, 62: <u>Hunter</u> discloses a method, system and a machine readable

medium having instructions thereon, of claims 1, 17, 30, 44 and 58, respectively, further

comprising: providing a response to a web browser (pg. 15, 42.)

Claim 14, 27, 41, 55, 68: <u>Hunter</u> discloses a method, system and a machine readable

medium having instructions thereon, of claims 7, 21, 35, 49 and 62, respectively,

wherein the response is a hypertext transfer protocol (HTTP) response (pg. 15, 42.)

Response to Arguments

3.   Applicant's arguments filed 5/9/2008 have been fully considered but they are not

persuasive.

4.   Applicant's argument that the amended feature that "the first representation

includes hierarchical relationships among controls, control properties, and control event

information" is not shown or made obvious by the cited prior art references is not

persuasive. <u>Hunter</u> discloses the above amended feature:

      a.   wherein the first representation includes hierarchical relationships (public /

      private scope, visibility, local / nonlocal, pg. 38) among controls, control

      properties (e.g. static, int, public, class, etc., pg. 41), and control event

      information (exceptions thrown, responses, pg. 41.)

5.   Applicant's argument that the amended features that an "an interface is provided

to isolate details of the interchangeable lifecycle component from a control container to

allow different lifecycle implementations to be interchangeable" is not shown or made

obvious by the cited prior art references is not persuasive. <u>Hunter</u> discloses the above

amended feature:

> b.   wherein an interface (pg. 266, JDBC SQL-level API, a set of interfaces
>
> and classes designed to perform actions against any database) is provided to
>
> isolate details of the interchangeable lifecycle component (servlet thread
>
> performing any one of: database connection, management, calls, etc., pg. 261-
>
> 267) from a control container (servlet container, pg. 35) to allow different lifecycle
>
> implementations (pg. 266, Fig. 9-2: Oracle, ODBC, Sybase) to be
>
> interchangeable (pg. 261, "JDBC is database independent");

Conclusion

6.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Belousov whose telephone number is (571) 270-1695. The examiner can normally be reached on Mon-Fri (alternate Fri off) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AB   /Steven P Sax/
                                                        Primary Examiner, Art Unit 2174
August 15, 2008